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## **DETAILED ACTION**

## Allowable Subject Matter

Claims 1-9 and 14-16 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: claims are allowable at least for the reason that the prior art does not teach or reasonably suggest a polygon mirror having an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Urakawa (5,359,460) teaches a polygon mirror that has a reflection surfaces on each of the circumferential surfaces and has through holes that are filled with an adhesive to fix the polygon mirror, but Urakawa lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Konno et al. (5,596,443) teaches a polygon mirror that has reflection surfaces on each of the circumferential surfaces and teaches of bonding of a plastic ring between a polygon mirror and a ceramic ring, but Konno et al lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Ishizuka et al. (5,661,588) teaches a polygon mirror that is fixed to a hub and the hub is rotatably supported with respect to a fixed shaft by ball bearings, and the fixed

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shaft is erected at the center of the frame, but Ishizuka et al. lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Suzuki (6,449,000) teaches a deflection scanning apparatus comprises a rotation shaft rotatably supported by bearing fixed on a base, a rotor fixed to the shaft, a rotary polygon mirror, but Suzuki lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pranav V. Khatri whose telephone number is 571-272-8311. The examiner can normally be reached on M-F, 8:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Pranav Khatri Examiner Art Unit 2782